

CLAIMS

What is claimed is:

1. An extensible method for simplifying input provided to a computer

5 program comprising:

creating a framework for a first grammar level;

performing a first transformation of said framework to generate a first set
of rules relating to interpretation of said first grammar level;

performing a second transformation of said framework to generate a first
10 presentation style for said first grammar level;

obtaining a user defined input in said first grammar, said user defined
input conforming to said first set of rules;

applying said first set of rules and said first presentation style to said user
defined input to generate an output in a second grammar understood by an
15 application's parser.

2. The method of claim 1, wherein said creating a framework
comprises:

creating one or more files having grammar definitions conforming to a
20 second set of rules; and

transforming said one or more files into said framework using a second

presentation style conforming to said framework.

3. The method of claim 1, wherein said first transformation is in accordance with a third presentation style.

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4. The method of claim 1, wherein said second transformation is in accordance with a fourth presentation style.

5. The method of claim 1, wherein said first grammar of said user defined input is extensible.

6. The method of claim 1, wherein said second grammar understood by said application's parser is fixed.

7. The method of claim 1, wherein said data representation language is extensible markup language (XML).

8. A computer readable product comprising:
a computer readable medium having a computer readable product comprising a computer readable document embodied therein, said computer

readable document utilized for input into a rule engine, said computer readable document created by performing a method comprising:

creating a framework for a first grammar level;

performing a first transformation of said framework to generate a

5 first set of rules relating to interpretation of said first grammar level;

performing a second transformation of said framework to generate
a first presentation style for said first grammar level;

obtaining a user defined input in said first grammar, said user
defined input conforming to said first set of rules;

10 applying said first set of rules and said first presentation style to
said user defined input to generate an output in said document, said
output conforming to a second grammar level understood by an
application's parser.

15 9. The computer readable product of claim 8, wherein said creating a
framework comprises:

creating one or more files having grammar definitions conforming to a
second set of rules; and

transforming said one or more files into said framework using a second
20 presentation style conforming to said framework.

10. The computer readable product of claim 8, wherein said first transformation is in accordance with a third presentation style.

5 11. The computer readable product of claim 8, wherein said second transformation is in accordance with a fourth presentation style.

12. The computer readable product of claim 8, wherein said first grammar of said user defined input is extensible.

10 13. The computer readable product of claim 8, wherein said second grammar understood by said application's parser is fixed.

15 14. The computer readable product of claim 8, wherein said data representation language is extensible markup language (XML).

15. A computer program product comprising:
a computer readable medium having computer program code for
extensibly simplifying input provided to a computer program embodied therein,
20 said computer program code configured to cause a computer to:

create a framework for a first grammar level, wherein said
framework comprises a schema;

perform a first transformation of said framework to generate a first
set of rules relating to interpretation of said first grammar level;

5 perform a second transformation of said framework to generate a
first presentation style for said first grammar level;

obtain a user defined input in said first grammar, said user defined
input conforming to said first set of rules;

10 apply said first set of rules and said first presentation style to said
user defined input to generate an output in said document, said output
conforming to a second grammar level understood by an application's
parser.

16. The computer program product of claim 15, wherein said create a
15 framework comprises:

creating one or more files having grammar definitions conforming to a
second set of rules; and

transforming said one or more files into said framework using a second
presentation style conforming to said framework.

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17. The computer program product of claim 15, wherein said first transformation is in accordance with a third presentation style.

18. The computer program product of claim 15, wherein said second transformation is in accordance with a fourth presentation style.

19. The computer program product of claim 15, wherein said first grammar of said user defined input is extensible.

20. The computer program product of claim 15, wherein said second grammar understood by said application's parser is fixed.

21. The computer program product of claim 15, wherein said data representation language is extensible markup language (XML).

22. An extensible method for simplifying input provided to a computer program comprising:

creating a schema for a first grammar level;

performing a first transformation of said schema to generate a first set of

rules relating to interpretation of said first grammar level;

performing a second transformation of said schema to generate a first presentation style for said first grammar level;

obtaining a user defined input in said first grammar, said user defined input conforming to said first set of rules;

5 applying said first set of rules and said first presentation style to said user defined input to generate an output in a second grammar understood by an application's parser.

23. The method of claim 22, wherein said creating a schema comprises:

10 creating one or more files having grammar definitions conforming to a second set of rules; and

transforming said one or more files into said schema using a second presentation style conforming to said schema.

15 24. The method of claim 22, wherein said first transformation is in accordance with a third presentation style.

25. The method of claim 22, wherein said second transformation is in accordance with a fourth presentation style.

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26. The method of claim 22, wherein said first grammar of said user defined input is extensible.

27. The method of claim 22, wherein said second grammar understood
5 by said application's parser is fixed.

28. The method of claim 22, wherein said data representation language is extensible markup language (XML).

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